



021704

16076 U.S. PTO

PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 13065US02

## PATENT APPLICATION TRANSMITTAL

**Mail Stop Patent Application**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): **Roger F. Bernards, Joseph Stanton Bowers, Jr., Benjamin T. Carroll and Alvin A. Kucera**

Title: **COMPOSITION AND METHOD FOR PREPARING CHEMICALLY-RESISTANT ROUGHENED COPPER SURFACES FOR BONDING TO SUBSTRATES**

## 1. Type of Application

This new application is for a:

- ☐ utility patent.  
☐ design patent.

This application is a:

- ☐ continuation  
☒ divisional of Application Serial No.  
10/143,389 filed May 10, 2002.  
☐ continuation-in-part (CIP)

## 2. Application Papers Enclosed

- 4 Cover Sheet(s)  
48 Pages of Specification (excluding Claims, Abstract & Drawings)  
15 Page(s) of Claims (1-46)  
1 Page(s) of Abstract  
0 Sheet(s) of Drawings (FIGs. \_\_\_\_)  
☐ Formal  
☐ Informal

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**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on **February 17, 2004**, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV 331534198 US

  
Jonathan R. Sick

17302 U.S. PTO  
10/782177

021704

**3. Declaration or Oath**

☒ Enclosed

Executed by (check all applicable boxes)

☒ Inventor(s) (copy of declaration from prior application)

☐ Legal representative of inventor(s)

(37 CFR 1.42 or 1.43)

☐ Joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached

☐ The petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 are enclosed. See Item 5D below for fee.

☐ Not enclosed - the undersigned attorney or agent is authorized to file this application on behalf of the applicant(s). An executed declaration will follow.

**4. Additional Papers Enclosed**

☐ Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)

☐ Preliminary Amendment

☐ Information Disclosure Statement, including copies of cited references

☐ Declaration of Biological Deposit

☐ Computer readable copy of sequence listing containing nucleotide and/or amino acid sequence

☐ Associate Power of Attorney

☐ Verified translation of a non-English patent application

☐ An assignment of the invention (copy of recorded assignment(s) from prior application)

☐ Certified copy(ies) of application(s):

COUNTRY	APPLICATION NO.	FILED

from which priority under 35 USC 119 is claimed

☐ is(are) attached.

☐ will follow.

☐ Other

5. Filing Fee Calculation (37 CFR 1.16)

A. ☒ Utility Application

CLAIMS AS FILED - INCLUDING PRELIMINARY AMENDMENT (IF ANY)						
			SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
BASIC FEE				\$ 385.00		\$ 770.00
TOTAL	46 - 20	= 26	X 9 =	\$ .00	X 18 =	\$ 468.00
INDEP.	3 - 3	= 0	X 43 =	\$ .00	X 86 =	\$ 0.00
<input type="checkbox"/> First Presentation of Multiple Dependent Claim			+ 145 =	\$ .00	+ 290 =	\$ 0.00
Filing Fee:				\$ .00	OR	\$1,238.00

B. ☐ Design Application (\$160.00/\$320.00) Filing Fee: \$ \_\_\_\_\_

C. ☐ Plant Application (\$245.00/\$490.00) Filing Fee: \$ \_\_\_\_\_

D. Other Fees

☐ Recording Assignment [Fee -- \$40.00 per assignment] \$ \_\_\_\_\_

☐ Petition fee for filing by other than all the inventors  
or person on behalf of the inventor where inventor refused  
to sign or cannot be reached [Fee -- \$130.00] \$ \_\_\_\_\_

☐ Other \$ \_\_\_\_\_

Total Fees Enclosed \$ 1,238.00

6. Method of Payment of Fees

☒ Enclosed check in the amount of: \$ 1,238.00

☐ Charge Deposit Account No. 13-0017 in the amount of: \$ .00  
A copy of this Transmittal is enclosed.

☐ Not enclosed

**7. Deposit Account and Refund Authorization**

The Commissioner is hereby authorized to charge any deficiency in the amount enclosed or any additional fees which may be required during the pendency of this application under 37 CFR 1.16 or 37 CFR 1.17 or under other applicable rules (except payment of issue fees), to Deposit Account No. 13-0017.

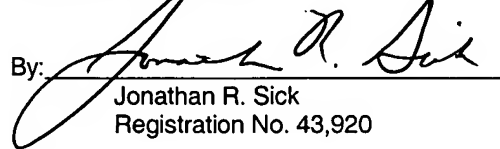
Please refund any overpayment to Deposit Account No. 13-0017.

Please direct all future communications to Jonathan R. Sick at the address below.

McAndrews, Held & Malloy, Ltd.  
500 West Madison Street, 34th Floor  
Chicago, Illinois 60661

Please direct all telephone calls to Jonathan R. Sick at (312) 775-8000. Please direct all facsimile transmissions to Jonathan R. Sick at (312) 775-8100. Please direct all e-mail transmissions to [jsick@mhmlaw.com](mailto:jsick@mhmlaw.com).

Respectfully submitted,

By:   
Jonathan R. Sick  
Registration No. 43,920

Date: February 17, 2004.